Title: Perfect score: Sequence:

US-09-698-781-3
258
1 MKQTLHPALETTAMTLFPVL.....KHQLVRDSCKASCNCSNSIY 258

OM protein -

nucleic search, using frame\_plus\_p2n model

GenCore version 5.1.3 Compugen Ltd.

March 14,

2003, 05:42:09; Search time 1720 Seconds
(without alignments)
2429.323 Million cell updates/sec

Scoring table:

OLIGO Xgapop Ygapop Fgapop Delop

6.0

Xgapext 60.0 Ygapext 60.0 Fgapext 7.0 Delext 7.0

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-UNITS-bits -START-1 -END-1 - MATEXT-01190 -TRANS-human40.cd1 -LIST-100
-DOCALLIGN-200 -THR_SCORE-quality -THR_MIN-1 -ALIGN-30 -MODE-LOCAL -OUTFMT-pto
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-NO_XLYNY -NO_MAD -LARGEQUERY -NEG_SCORES-0 -MAIT -LONGLOG -DEV_TIMEOUT=120
-WARN_TIMEOUT=30 -THREADS-1 -XCAPDP-60 -XGAPEXT-60 -FGAPDP-6 -FGAPEXT-7
-VGAPDP-60 -VGAPEXT-60 -DELOP-6 -DELEXT-7
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score
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Match
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AA143118
AI142775
7 TA318D05P
7 AZ838204
AA726265
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BH218157
B00049
DR16K1T
AL758979
AZ316082
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AI142775 2026e02.s
AL492652 T. bruce1
AZ838204 2M0133K17
AA726265 Vu89C01.r
AA726265 Vu89C01.r
H94066 yV15h02.s1
AZ8133416 2M0080M10
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AU102979 AU102979
AA616661 V0766h08.r
BH218157 1006077D0
B00049 CSR1-100h6-
AL733018 Danio rer
AL733018 Danio rer
AL73908 Danio rer
AL73909525 1M00338D04
B60099525 1M00338D04
B60099525 1M00338H04
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AZ961946 2M0330002
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T89904 ye11a09.r1
BH638251 1008021D0
                                                                                                                                                                                                                            AA854584 aj76b3 s
C21414 HUMGS000947
AZ566280 1M0347818
AZ847788 2M0148E05
AL762744 Arabidops
AL540827 tp68al2 x
B0816306 103005660
AZ46476 1M0302102
B1517667 603042278
BH847206 SALK 0445
AL172169 Tetraodon
AA283715 zs44d02.s
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BQ789779 hage002aB
BH221159 1006099G0
AJ283196 4A3A-P7G3
B1758902 603042352
BH802812 1008102E0
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AF219092 AF219092
B1388670 EST-CD340
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AZ617135 1M0448H13
BH804876 1008105F0
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BM424830 105pn0073
R89821 yp91912.s1
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BH853910 SALK_
BH860880 Gm_SI
BH862853 SALK_
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                                                                                                                                                        866 ue65e08
4073 040802
4091 040802
4092 040802
                                                                                                                           157 ak25d06
2169 Tetrao
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Command line parameters:
 MODEL-frame+\_p2n.model

\_p2n.model -DEV-xlh

Database :

EST: \*

em\_estba:\*

em\_estro:\*
em\_htc:\*
gb\_est1:\*

gb\_est3:\* gb\_est4:\* gb\_est5:\*

em\_estom: \* em\_estfun:\*

gb\_gss:\*
gb\_gss.hum:
em\_gss\_hum:
em\_gss\_tr:
em\_gss\_vr::
em\_gss\_vr::
em\_gss\_vr::
em\_gss\_fun:
em\_gss\_fun:
em\_gss\_fun:
em\_gss\_other::

em\_estmu:\*
em\_estov:\* em\_esthum:\*
em\_estin:\*

em\_estpl:\*

Minimum DB seq length: 20 Maximum DB seq length: 99

Total number of hits satisfying chosen parameters:

341630

16154066 seqs, 8097743376 residues

Word size:

Post-processing: Listing first 100 summaries

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Email: cgapbs remail.nih.gov

Tissue Procurement: W. Douglas Figg, Ph.D., Paul H. Duray, M.D.,
Tissue Procurement: W. Douglas Figg, Ph.D., Paul H. Duray, M.D.,
Rodrigo F. Chuaqui, M.D., Michael R. Emmert-Buck, M.D., Ph.D.
cDNA Library Preparation: David B. Krizman, Ph.D.
cDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CCAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
                Trace considered overall poor quality Insert Length; 364 Std Error; 0.00 Seq primer: 40ml3 fwd. Erf from Amersham High quality sequence stop; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           55 bp mRNA linear EST 16-DEC-1997 nt95f06.sl NCI_CGAP_Pr12 Homo sapiens cDNA clone IMAGE:1206275 slmilar to TR:E221225 E221225 CYSTEINE-RICH SECRETORY PROTEIN-3 PRECURSOR. [1] ;, mRNA sequence.
                                                                                                                       www-bio.llnl.gov/bbrp/image/image.html
                                                                                                                                                                                                                                                                                                                   Contact: Robert Strausberg, Ph.D.
                                                                                                                                                                                                                                                                                                                                                                               NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anat
                                                                                                                                                                                                                                                                                                                                                                                                                              \ukaryota; Metazoa; Chordata; Cranlata; Verrebrata; Euteleostomi;
\ukaryota; Metazoa; Chordata; Catarrhini; Hominidae; Homo.
(bases 1 to 55)
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CNS02RGD
AA971814
AF027915
AI470812
AZ921474
AA922763
AI968724
BI557274
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                                                                                                                                                                                                                                                                                                                                                                               Anatomy Project (CGAP),
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A2603988 1M0423508
AA012296 TgESTZ22
AW059816 LE7h02 yg
BGI11920 60282745
AZ465383 1M0275814
BH224140 1006117A0
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AJ283110 4A3A-P5E1
AZ941059 2M0200108
BH612035 SALK_0320
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AI968724 wt92all.x
BI557274 603238874
AZ374702 1M0127J10
BQ576515 sap18c11.
AL766388 Arabidops
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AF027915 AF027915
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F30846 HSPD21539 H
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AL766046 Arabidops
AL255737 Tetraodon
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AL210550 Tetraodon
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SOURCE
ORGANISM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 2
AZ961946
LOCUS
DEFINITION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  JOURNAL COMMENT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Percent Similarity:
Best Local Similarity
Query Match:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ACCESSION
VERSION
                                                                                                                                                                                     FEATURES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE
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ORIGIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FEATURES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AUTHORS
                                                                                                                                                               source
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        source
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity:
                                                                                                                                                                                High quality sequence stop: 32.
Location/Qualifiers
                                                                                                                                                                                                                                         Email: ddunnegenetics.utah.edu
Insert Length: 10000 Std Error: 0.
Plate: 0330 row: 0 column: 02
Seq primer: CACACAGGAAACAGCTATGACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A2961946
32 bp DNA linear GSS 27-APR-2001 2M0230002R Mouse 10kb plasmid UUGC2M library Mus musculus genomic clone UUGC2M0230002 R, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 32)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D., Weiss,R.
                                                                                                                                                                                                                                                                                                                                    Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                       Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     plasmid inserts
Unpublished (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AZ961946
AZ961946.1 GI:13833173
                                                                                                                                                                                                                      Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mouse whole genome scaffolding with paired end reads from 10kb
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /tissue_type="metastatic prostate bone lesion"
/lab_host="DHIOB"
/note="vector: pAMPIO; mRNA made from metastatic prostate
/note="vector: pAMPIO; mRNA made by oligo-dT priming.
lesion of the bone, cDNA made by oligo-dT priming.
Non-directionally cloned. Size-selected on agarose gel,
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NTH."
                                               /organism-"Mus musculus"
(Strain-"C57BL/6J"
/db_xref-"taxon:10090"
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                                                                                                                                                                                                                                                                                                                                                                                                    Biomedical
/sex="female"
/lab_host="E. coli strain XL10-Gold, T1-resistant,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /sex="male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /organism="Homo sapiens"
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Matches:
Conservative:
Mismatches:
Indels:
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              T) .
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REFERENCE AUTHORS TITLE

Tumor Gene Index Unpublished (1997)

ACCESSION VERSION KEYWORDS SOURCE ORGANISM

AA661880.1

GI:2615971

human

Eukaryota;

RESULT 1 AA661880 DEFINITION

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US-09-698-781-3 (1-258) x AZ961946
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TTTCTTGTAGCTGGTTTATTG 23
                                                                                                                                                                                                                                                                                                                                     Contact: Waugh R, Marshall DF
Genome Dynamics/Computational Biology
Scottish Crop Research Institute
Invergowrie, Dundee, DD2 5DA, Scotland
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Viridiplantae; Streptophyta; En Spermatophyta; Magnoliophyta; Liliopsida;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BQ761111 81 bp mRNA linear EST 26-JUL-21EBr004_SQ004_B23_R root, 3 week, salt-stressed, cv Optic, EBr004Hordeum vulgare cDNA clone EBr004_SQ004_B23 5', mRNA sequence. BQ761111BQ7611111 GI:21969583
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Hedley,P., Liu,H., Caldwell,D., McCallum,N., Mudie,S., Ramsay,L., Machray,G., Marshall,D.F.M. and Waugh,R. Development of Barley Transcriptome Resources
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Triticeae; Hordeum. (bases 1 to 81)
                                                                                                                                                                                                                                                                                               00 44 1382 562731
00 44 1382 562426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Laboratory Mouse DNA Resources (thitp://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pWD4 (gi1472114|gb)AF129072.1), a copy.number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampiciliin resistance."
                                                                                                                                                                                                                                                                                                                                                                                                                                ished (2001)
                                                                                                                                                                                                                                                                             est@scri.sari.ac.uk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               musculus C57BL/6J
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Non-normalised library, directionally cloned into pSPORT1
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/lab_host="DH10B"
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                                                                                                                                                          /db_xref="taxon:4513"
                                                                                                                                                                                                   organism-"Hordeum vulgare"
                                                                                                                                                                                                                                                   Location/Qualifiers
                                                                                                                                                                                    cultivar="Optic"
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a; Poales; Poaceae; Pooidea
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                                                                                                                                                                                                                                                                                                                                                                           Email: estewatson.wustl.edu
Insert Size: 1079
High quality sequence stops: 62 Source: IMAGE Consortium, LLNL This clone is available royalty-free through LLNL; contact the IMAGE Consortium (info@image.llnl.gov) for further information.
Insert Length: 1079
Sed primer: Mi3Rpl
Seq primer: Mi3Rpl
Seq primer: Mi3Rpl
High quality sequence stop: 62.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Hillier, L., Lennon, G., Becker, M., Bonaldo, M.F., Chiapelli, B., Chissoe, S., Dietrich, M., DuBuque, T., Favello, A., Glsh, W., Hawkins, M., Hultman, M., Kucaba, T., Lacy, M., Le, M., Le, N., Mardis, E., Moore, B., Morris, M., Parsons, J., Prange, C., Rifkin, L., Rohlfing, T., Schellenberg, K., Soares, M.B., Tan, F., Thierry-Meg, J., Trevaskis, E., Underwood, K., Wohldmann, P., Waterston, R., Wilson, R. and Marra, M. Generation and analysis of 280,000 human expressed sequence tags genome Res. 6 (9), 807-828 (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Washington University School of Medicine 4444 Forest Park Parkway, Box 8501, St. 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutheria; Primates; Catarrini; Hominidae; Homo.

1. (bases 1 to 92)
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IMAGE:117400 5', mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Contact: Wilson RK
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314 286 1810
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a 25 c 26 g 12 t
                 /db_xref="taxon:9606"
/clone="IMAGE:117400"
                                                                                                                                                                                                                                                                                               /organism="Homo sapiens"
/db_xref="GDB:485689"
                                                                                                                                                                                                        /sex-"
                                                                                                                                                                                                                     /clone_lib="Stratagene lung (#937210)"
                                                                                                                                                                                                                                                                                                                                                                 ocation/Qualifiers
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lung (#937210) Homo sapiens cDNA clone
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RESULT 3 BQ761111

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Percent Similarity:
Best Local Similarity:
Query Match:
DB:

Alignment Scores:

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BASE COUNT

ACCESSION VERSION KEYWORDS SOURCE

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ORGANISM

Hordeum vulgare.

MO 63108

REFERENCE AUTHORS

COMMENT TITLE JOURNAL

FEATURES

source

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US-09-698-781-3 (1-258) x T89904 (1-92)
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Plate: 1008021 row: 9
Class: transposon-tagged.
Location/Qualifiers
1 a2
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Very probable ligation site of ends
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Stanford University
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Department of Biological Sciences
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACC clade; Panicoldeae; Andropogoneae; Zea.

1 (bases 1 to 92)
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650 725 8221
                                                                                                                                           /organism=*Zea mays*
/cultivar=*mixed background W23/A188/B73*
/db_xref=*taxon.4577*
/clone_lib=*1008 - RescueMu Grid I*
/tissue_type=*leaf*
/dev_stage=*adult*
/dev_stage=*adult*
/lab_host=*pH10B*
/note=*Organ: leaf; Vector: RescueMu (engineered from pBlueScript backbone); Site_1: BamHI; Site_2: BglII; RescueMu is a 4.9 kb, modified maize Mu transposon designed to allow plasmid rescue from total genomic DNA.
Mu elements insert preferentially into transcription units. For more information on RescueMu, go to the veb site vew.zmdb.isstate.edu and follow the links for 'RescueMu.' Grid I was grown at Berkeley in 2001. DNA was extracted from leaf punches, double digested using BamHI and BglII, and ligated to form circular plasmids. DH10B cells vere transformed and then screened on LB plates with 20 a 21 c 19 g 32 t
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RescueMu Grid I Zea mays genomic, DNA
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                                               GCTCCGTGCGCTTCTTGCCCG 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This clone is available royalty-free through LLNL; IMAGE Consortium (info@image.llnl.gov) for further i Trace considered overall poor quality
Insert Length: 622 Std Error: 0.00
Seq primer: -28M13 rev2 from Amersham
High quality sequence stop: 1.
Location/Qualifiers
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99 bp mRNA linear EST 08-NOV-19
z069e11.rl Stratagene pancreas (#937208) Homo sapiens cDNA clone
IMAGE:592172 5' similar to gb:X57138_rnal HISTONE H2B.2 (HUMAN);
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1 (bases 1 to 99)

1 (Hillier,L., Allen,M., Bowles,L., Dubuque,T., Geisel,G., Jost,S., Krizman,D., Kucaba,T., Lacy,M., Le,N., Lennon,G., Marra,M., Martin,J., Moore,B., Schallenberg,K., Steptoe,M., Tan,F., Theising,B., White,Y., Wylie,T., Waterston,R. and Wilson,R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Washington University School of Medicine
4444 Forest Park Parkway, Box 8501, St. Louis,
Tel: 314 286 1800
Fax: 314 286 1810
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WashU-NCI human EST Project
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/clone="IMAGE:592172"
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REFERENCE AUTHORS TITLE

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KEYWORDS SOURCE ACCESSION VERSION

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Zea mays.

RESULT 5 BH638251

DEFINITION

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Similarity:

Alignment Scores:

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BASE COUNT ORIGIN

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 31)

NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
NATIONAL Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AI142775
31 bp mRNA linear EST 23-OCT-1998
qa26a02.sl Soares_NhHMPu_S1 Homo sapiens cDNA clone IMAGE:1687850
3' similar to TR:Q05519 Q05519 ARGININE-RICH 54 KD NUCLEAR PROTEIN.
                     Trypanosoma brucei.
Trypanosoma brucei
Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae;
                                                                                                             T. brucei sheared genomic genomic survey sequence. AL492652 AL492652.1 GI:11867479
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tumor Gene Index
Unpublished (1997)
Contact: Robert Strausberg, Ph.D
                                                                                            GSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Seq primer: -40ml3 fwd. ET from Amersham High quality sequence stop: 1.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Email: cgapbs-r@mail.nlh.gov
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
Trace considered overall poor quality
Insert Length: 1957 Std Error: 0.00
                                                                                                                                                                                                  TA318D05P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note-Torgan: mixed (see below); Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI. Equal amounts of plasmid DNA from three normalized libraries (melanocyte 2NbHM, pregnant uterus NbHPU, and fetal heart NbHH19H) were mixed, and ss circles were made in vitro. Following HAP purification, this DNA was used as tracer in a subtractive hybridization was used as tracer in a subtractive hybridization for reaction. The driver was PCR-amplified CDNAs from pools of 5,000 clones made from the same 3 libraries. The pools consisted of I.M.A.G.E. clones 20033-26523, 340488-345479, and 484488-489479."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /clone="IMAGE:1687850"
/clone_lib="Soares_NhHMPu_S1"
/tissue_type="Pooled human melanocyte, fetal heart, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /organism="Homo sapiens"
/db_xref="taxon:9606"
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100.00%
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Matches:
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AZ838204/c
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JOURNAL
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Hall, N., Bowman, S., Lennard, N.J., Doggett, J., Atkin, R.,
Chillingworth, C., Ormond, D., Harris, B., El-Sayed, N., Hou, L.,
Melville, S.E., Rajandream, M.A. and Barrell, B.G.
Direct Submission
Submitted (10-DEC-2000) Trypanosoma brucel genome sequencing
project, Sanger Centre, The Wellcome Trust Genome Campus, Hinxton,
Cambridge CB10 15A, E-mail: barrell@sanger.ac.uk and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              to give a tight size distribution (
4 kb). The v + i method used for the library construction is
described in detail in Smith, H. and Venter, J.C. (Making small
insert libraries for whole genome shotgun sequencing projects.
Genome Sequencing: A Practical Approach, eds. M. Vaudin and B.
Barrell, Oxford University Press, 1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AZB38204 35 bp DNA linear GSS 20-FEB-200 2M0133K17R Mouse 10kb plasmid UUGC1M library Mus musculus genomic Clone UUGC2M0133K17 R, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Email: nelsayed@tigr.org
Details of T. brucei sequencing at the Sanger Centre are available at http://www.sanger.ac.uk/Projects/T_brucei/.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Constructed at the Institute for Genomic Research (TIGR), Rockville, MD. Genomic DNA isolated from a cloned population of Trypanosoma brucei (TREU927/4 GUTat 10.1) was mechanically sheared
                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 35)
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                                                                                                                            plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
                                                                                                                                                                                                                                                            Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
                                                                                                                                                                                                                                                                                                                                                                                                                 Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AZ83820
Email: ddunn@genetics.utah
Insert Length: 10000 Std
                                           Tel: 801 585 5606
Fax: 801 585 7177
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                                                                                         USA
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/clone="318d05"
6 c 5 g
                                                                                                             Biomedical
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/strain="TREU927"
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Error: 0.00
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E., Pedersen, T., Reilly
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                      Waterston, R.
The WashU-HHMI Mouse EST Project
Unpublished (1996)
Contact: Warra M/Mouse EST Project
WashU-HHMI Mouse EST Project
                                                                                                                                Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 40)

Marra, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Geisel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M., Schellenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B., Theising, B., Wylie, T., Lennon, G., Soares, B., Wilson, R. and
                                                                                                                                                                                                                                                                                                                                                                                                    AA726265 40 bp mRNA linear EST 02-JAN-1998 vu89cc1:r1 Stratagene mouse skin (#937313) Mus musculus cDNA clone IMAGE:1209312 5' similar to TR:008634 008634 HIGH-SULFUR KERATIN PROTEIN: / mRNA sequence.
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Location/Qualifiers
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Seq primer:
     Washington University School of MedicineP
                                                                                                                                                                                                                                                                                                                                                                   AA726265.1 GI:2743972
                                                                                                                                                                                                                                                                                                                        nouse mouse.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Aboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was Dunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (gi14732114(gb1AF129072.1), a copy.number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance.
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/clone="UUGC2M0133K17"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/note="Vector: PWD42nv; Purified genomic DNA from M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /organism="Mus musculus"
/strain="C57BL/6J"
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1 (bases 1 to 41)
Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P. and Wilson,R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    H94066
H94066.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       41 bp mRNA linear EST 25-NOV-1996 yv15h02.s1 Soares fetal liver spleen lNFLS Homo sapiens cDNA clone IMAGE:242835 3' similar to gb:V00493_rnal HEMOGLOBIN ALPHA CHAIN (HUMAN); mRNA sequence.
                                                               Washington University School of 4444 Forest Park Parkway, Box Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                         Unpublished (1995)
Contact: Wilson RK
                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Seq primer: -28ml3 rev1 ET from High quality according
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Putative full length read
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quality sequence starts: quality sequence stops: 1
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                                          est@watson.wustl.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /tissue_type="whole skin"
/dev_stage="ll weeks old"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /clone_lib="Stratagene mouse
/sex="females"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /db_xref="taxon:10090"
/clone="IMAGE:1209312"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /organism="Mus musculus'
/strain="C57BL/6"
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Alignment Scores:

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BASE COUNT

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20

KEYWORDS SOURCE ORGANISM

ACCESSION VERSION

REFERENCE AUTHORS

ð 63108

FEATURES

source

/db\_xref="taxon:9606" /clone="IMAGE:242835"

/organism="Homo sapiens" /db\_xref="GDB:3791968" ocation/Qualifiers

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Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.linl.gov) for further information.
Trace considered overall poor quality
Insert Length: 1147 Std Error: 0.00
Seq primer: m13 -40 forward.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AZB13416
41 bp DNA linear GSS 20-FEB-2001
2M0080M10R Mouse 10kb plasmid UUGClM library Mus musculus genomic
clone UUGC2M0080M10 R, DNA sequence.
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 0000 row: M column: 10
Seg primer: CACACAGGAAACAGCTATGACC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 41)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Roge,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mouse whole genome scaffolding with paired end reads from 10kb
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//lab_host="DHIOB (ampicillin resistant)"
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/sex="male"
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AZ412916
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Best Local Similarity:
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Bukaryota; Metazoa; Chordata; Cranlata; Vertebrata; Euteleostom1;

Bukaryota; Metazoa; Chordata; Cranlata; Vertebrata; Euteleostom1;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Musinamalia; Eutheria; Musinamalia; Butheria; Musinamalia; Muses 1 to 46)

1 (bases 1 to 46)

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AZ412916 46 bp DNA linear GSS 03-OCT-2000 1M0186J11R Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0186J11 R, DNA sequence.
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                                                                                            plasmid inserts
Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Res
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AZ412916.1 GI:10536929
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /clone_lib="Mouse 10kb plasmid UUGC1M library" . /sex="Male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /clone="UUGC2M0080M10"
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/strain="C57BL/6J"
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REFERENCE AUTHORS

TITLE JOURNAL

plasmid inserts

Unpublished (2000)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah

USA

ACCESSION VERSION

AZ813416.1 GI:12983324

DEFINITION rocus A2813416

KEYWORDS

ORGANISM

Mus musculus

house mouse.

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RESULT 12

US-09-698-781-3 (1-258) x H94066 (1-41)

Percent Similarity: Best Local Similarity:

100.00% 100.00% 2.33% 5.45e+03

Pred. No.: Alignment Scores: BASE COUNT

Query Match:

801 585 7177

FEATURES

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REFERENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                             Institute for Molecular and Cellular Biol obaka University
1-3, Yamada-oka, Suita, Osaka Pref. 565, Japan Tel: 06-877-5111(ex.3315)
                                                                             BodyMap; human gene expression database Unpublished (1995) Contact: Okubo,K.
                                                                                                                                                                                                                                                                                                                          C21082
HUMGS0002596 Human adult
                                                                                                                                                       Eukaryota; Metazoa; Chordata; Mammalia; Eutheria; Primates; 1 (bases 1 to 48)
                                                                                                                                                                                                                  Homo sapiens
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quality sequence stop: 46
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                electrophoresis. Vector DNA was prepared from a derivative of pND42 (gil 473214/gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coll XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
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/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
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/strain="C57BL/6J"
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/clone="UUGC1M0186J11"
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Homo sapiens cDNA
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JOURNAL COMMENT

TITLE

RESULT 14 C21082/c

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KEYWORDS SOURCE ACCESSION VERSION

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US-09-698-781-3 (1-258) x C21082
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49 bp mRNA linear EST 14-OCT-1998 ue46e99.rl Soares_mammary_gland_NMLMG Mus musculus cDNA clone IMAGE::494184 5' similar to TR:Q33563 Q33563 EATRO 164 KINETOPLAST
                                                             Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
MGI:931788
                                                                                                                                                                              Tel: 314 286 1800 Fax: 314 286 1810
                                                                                                                                                                                                                            Contact: Marra M/Mouse EST Project
WashU-HHMI Mouse EST Project
WashIngton University School of Medicinep
4444 Forest Park Parkway, Box 8501, St. La
                                                                                                                                                                                                                                                                                                                                                                                                                                    1 (bases 1 to 49)
Marra, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T. Gelsel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M., Schellenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B., Theising, B., Wylie, T., Lennon, G., Soares, B., Wilson, R. and
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Human Gene Signature, 3'-directed cDNA sequence. We are not
submitting the same cDNA sequence redundantly to DDBJ since 1993.
For the abundance information of clones with this sequence in this
library and as well as in other 3'-directed libraries, see '
http://www.imcb.osaka-u.ac.jp/bodymap'. The sequences of the clones
represented by this GS sequences is also found there.
                                                                                                                                                                                                                                                                                                                                                                       Waterston,R.
The WashU-HHMI Mouse EST Project
                                                                                                                                                                                                                                                                                                                                                       Unpublished (1996)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mus musculus
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                                   considered overall
nsidered overall poor quality reversed clone: similarity on wrong strand
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  monocytes.
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Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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/dev_stage="adult"
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/db_xref="taxon:9606"
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AJ281329
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Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4A3A-P2A7-F Anopheles gambiae immune compete gambiae cDNA clone 4A3A-P2A7, mRNA sequence. AJ281329
                                                                                                                                                                                                                                                                                                                              Contact: Dimopoulos G
Fotis C. Kafatos laboratory
European Molecular Biology Laboratory
Meyerhofstrasse 1, 69117 Heidelberg, Germany.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Anopheles gamblae pilot gene discovery project: identification mosquito innate immunity genes from expressed sequence tags generated from immune-competent cell lines proc. Natl. Acad. Sci. U.S.A. 97 (12), 6619-6624 (2000)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       and Kafatos, F.C
                                                                                                                                                                                                                                                                                                                                                                                                                                                               20300950
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            African malaria mosquito.
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13 c 10 g 0 t
/organism="Anopheles gambiae"
//strain="4A r/"
//db_xref="faxon:7165"
//db_xref="faxon:7165"
//clone="4A3A-P2A7"
//clone="4A3A-P2A7"
//clone_lib="Anopheles gambiae immune competent 4A3A"
//clone_lib="Anopheles gambiae immune competent 4A3A"
//clone_lib="anopheles gambiae immune competent 4A3A"
//clone_lib="anopheles gambiae"
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/clone_tib="Soares_mammary_gland_NMLMG"
/sex="female (lactating)"
/tissue_type="mammary gland"
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hultz,J., Benes,V., Bork,P., Ansorge,W., Soares,M.B.
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4A3A Anopheles
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AU102979
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                                                                                                                                                                                                                                                                                                                                                                                                                  Department of Virology
Institute of Medical Science, University of Tokyo
4-6-1. Shirokanedal, Minatoku, Tokyo 108-8639, Japan
Email: ysuzuki@ims.u-tokyo.ac.jp
Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Suyama,A. and Suyano,S. Construction and characterization of a full length-enriched and a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 (bases 1 to 50)
Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata, Suzuki,Y., Taira,H., Tsunoda,T., Morishita,S., Okubo,K., Sakaki, H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki
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AU102979 Sugano Homo sapiens cDNA library Homo sapiens cDNA clone
KAT10408, mRNA sequence.
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Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites
EMBO Rep. 2 (5), 388-393 (2001)
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Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo
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                                                                                                                                                                                                                                       /Clone="KAT10408"
/Clone=1Lb="Sugano Homo sapiens cDNA library"
/Clone=1Lb="Sugano Homo sapiens cDNA library"
/note="Differential display comparison of untreated and dimethylfumarate treated U937 cells"
24 c 14 g 11 t
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/db_xref="taxon:9606"
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Best Local Similarity:
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Pred. No.:
                                                                                                                                                                                                                                     score:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Unpublished (1996)
Contact: Marra M/Mouse EST Project
Washin-HMH Mouse EST Project
Washington University School of MedicineP
Washington University School of MedicineP
4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AA616601
vn66h08.rl Barstead
clone IMAGE:1026207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota: Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 51)

Marra, M., Hillier, L., Allen, M., Bowles, M., Dietrich, N., Dubuque, T., Geisel, S., Kucaba, T., Lacy, M., Le, M., Martin, J., Morris, M., Schellenberg, K., Steptoe, M., Tan, F., Underwood, K., Moore, B., Theising, B., Wylie, T., Lennon, G., Soares, B., Wilson, R. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Trace considered overall poor quality Seq primer: -28ml3 rev2 ET from Amersham High quality sequence stop: 1.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Email: mouseest@watson.wustl.edu
This clone is available royalty-free through LLNL; contact the
IMAGE Consortium (info@image.llnl.gov) for further information.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tel: 314 286 1800
Fax: 314 286 1810
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The WashU-HHMI Mouse EST Project
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                                                                                                                                                                                                                                                                                                                        10
                                                                                                                                                                                                                                                                                                              3']; double-stranded cDNA was ligated to Eco RI adaptors [AATTCGGATCCTTG], digested with Not I and cloned into the Not I and Eco RI sites of the modified pT7T3 vector. Library constructed by Bob Barstead. "
15 c 9 g 17 t
                                                                                                                                                                                                                                                                                                                                                                                                        /db_xref="taxon:10090"
/clone="IMAGE:1026207"
/clone_lib="Barstead mouse proximal colon MPLRB6"
/clone_lib="Barstead mouse proximal colon MPLRB6"
/dev_stage="7 day juvenile"
/lab_host="PH108"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="Mus musculus"
/strain="FVB/N"
                                                                                                                                                                                                                               6.94e+03
6.00
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100.00%
2.33%
                                                                                                                         x AA616601
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                                                                                                                                                                          Length:
Matches:
Conservative:
Mismatches:
Indels:
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Percent Similarity:
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DEFINITION
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                                                                                                                                                                         sequence.
BH218157
BH218157.1
B00049

52 bp DNA line CSRL-100h6·u cSRL flow sorted Chromosome 11 spe sapiens genomic clone cSRL-100h6, DNA sequence B00049
B00049.1 GI:1409327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Stanford University
855 California Ave, Palo Alto, CA 94304, USA
Tel: 650 723 2227
Fax: 650 725 8221
Email: walbot@stanford.edu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Zea mays.
Zea mays
Eukaryota; Viridiplantae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Class: transposon-tagged.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Possible ligation site of ends cut by 2 different endonucleases. Reverse complemented post-ligation sequence from source sequence Plate: 1006077 row: 27
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Department of Biological Sciences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Contact: Walbot
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Maize genomic sequences found using engineered RescueMu transposor 
Unpublished (2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACC clade; Panicoideae; Andropogoneae; Zea.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       BH218157
1006077D05:2EL_x1 1006 -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (bases 1 to 51)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note-"Organ: leaf; Vector: RescueMu (engineered from pBlueScript backbone); Site_1: BamHI; Site_2: BgJII; RescueMu is a 4.9 kb, modified maize Mu transposon. Mu elements insert preferentially into transcription units: For more information on RescueMu go to the web site 'www.zmbb.iastate.edu' and follow the links for 'RescueMu,' Grid G was grown at Stanford in 2000. DNA was extracted from leaf punches, double digested using BamHI and BgIII, and ligated to form circular plasmids. DH10B and ligated to form circular plasmids.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cells were transformed and then screened on LB plates with ampicillin."

14 c 20 g 8 t
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/clone_lib=*1006 - RescueMu Grid G*
/tissue_type=*leaf*
/dev_stare=*.....
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               'lab_host="DH10B"
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Matches:
Conservative:
Mismatches:
Indels:
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                                                             linear G
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c cosmid Homo
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AUTHORS
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AUTHORS
TITLE
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DR16K1T/c
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DB:
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Best Local Similarity:
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AL733018
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               McDermott Center for Human Growth and Development
University of Texas Southwestern Medical Center At Dallas
5323 Harry Hines Blvd, Dallas TX 75235-8591
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 52)
Evana, G.A., Burbee, D., Davies, C., Hahner, L., Oliver, T., Gilbert, M., Jones, D., Ward, T., Gillilan, E., Schagemann, J., Probst, S., Harris, J., DeFord, J., McFarland, J., Burzinski, K., Khan, M., Kupfer, K. and
                                                  Submitted (06-JUN-2002) The Sanger Institute, Wellcome Trust Genome Campus, Hinxton, Cambridgeshire, CB10 1SA, UK. E-mail contact: humquery@sanger.ac.uk Unpublished
This sequence was generated from the T7 end of BAC 16K1 16K1 is part of the Daniokey Pilot BAC Library created by R. Plasterk and N.V. Keygene.
                                                                                                                                                                              Eukaryota: Metazoa; Chordata; Craniata; Actinopterygii; Neopterygii; Teleostei; Cypriniformes; Cyprinidae; Danio.

1 (bases 1 to 57)

Humphray, S. J. , Huckle, E. and Hunt, S. E. Direct Submission
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Email: gevans@utsw.swmed.edu, shane@mcdermott.swmed.edu
Seq primer: T7
Class: cosmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Genomic Sequence Sampled Map of Chromosome 11 Unpublished (1996)
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                                                                                                                                                                                                                                                                                                                                         zebrafish
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         details: http://www.sanger.ac.uk/Projects/D_rerio/
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /cell_type="chimeric hamster somatic cell hybrid"
/note="Vector: sCos-1; Human Chromosome 11 specific cosmid
library prepared from flow sorted human Chromosome 11
derived from Chinese Hampster Ovary (CHO) monochromosomal
somatic cell hybrid, J1"
a 6 c 10 g 25 t 1 others
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /clone_lib="cSRL flow sorted Chromosome 11 specific cosmid"
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/db_xref="taxon:9606"
/clone="cSRL-100h6"
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E 3 (bases 1 to 58)

E 3 (bases 1 to 58)

RS Strizhov,N., Rosso,M., Li,Y. and Weisshaar,B.

Direct Submission

AL Submitted (17-JUN-2002) Weisshaar B., Max-planck-Institut fuer

Zuechtungsforschung, Carl-von-Linne-Weg 10, Koein, 50829, Germany

This sequence is recovered from the left border of the T-DNA. It

indicates an insertion close to or within gene At493082. The

sequences are generated at the MPI for plant Breeding Research in

the context of the GABI-Kat project. GABI-Kat is part of the German

Plant Genomics program designated 'GABI'. Information on line

availability can be found at:

http://www.mpiz-koein.mpg.de/GABI-Kat/.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        44
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ValAlaGlyLeuLeuPro 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Arabidopsis thaliana
Arabidopsis thaliana
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Rosidae; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ROSSO,M., Strizhov,N., Li,Y., Reiss,B., Dekker,K. and Weisshaar,B. A new Arabidopsis thaliana T-DNA mutagenised population (GABI-Kat) for flanking sequence tag based reverse genetics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A pipeline for automated high-throughput generation of FSTs (flanking sequence tags) from Arabidopsis thaliana T-DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AL758979 58 bp DNA linear GSS 18-JUN-2002 Arabidopsis thaliana T-DNA flanking sequence GK-164E11-013275,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       genomic survey sequence. AL758979
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Strizhov, N., Li, Y., Rosso, M., Viehoever, P., Dekker, K., Saedler, H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        thale cress.
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/db_xref="taxon:7955"
/clone="Dkey-16k1"
/tissue_type="Testis"
/note="vector pindigoBAC-536"
a 17 c 12 g 17 t
/Clone_11b-"Arabidopsis thallana T DNA insertion lines"
/note-"PCR was performed on DNA from Arabidopsis thallana
plants (T1) which were transformed with the T DNA
vector pAC161. The lines contain one or more T DNA
insertions. The DNA fragment(s) resulting from the PCR
were directly sequenced to determine the genomic sequence
flanking the insertion. Sequences displaying significant
                                                                                                                                                           /organism="Arabidopsis thaliana"
/strain="Columbia 0"
/db_xref="taxon:3702"
/clone="GK-164Ell-013275"
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US-09-698-381-3 (1-258) x AL758979 (1-58)
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Best Local Similarity:
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Eukaryota; Metazoa; (
Mammalia; Eutheria; I
1 (bases 1 to 59)
                                                                                                                                                                                                                                                                                                                                                                                                                                     High quality sequence stop: 59.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 003 row: p column: 01
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mouse whole genome scaffolding with paired end reads from 10kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.
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1M0033POlR Mouse 10kb plasmid UUGC1M library Mus musculus genomic
cione UUGC1M0033POl R, DNA sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Unpublished (2000)
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/lab_host="E. Coll strain XL10-Gold, T1-resistant, F-"
//note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/GJ (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
(http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
was hydrodynamically sheared by repeated passage and T4
0.005 inch orifice at constant velocity. The sheared DNA
was blunt end-repaired with T4 DNA polymerase and T4
polynucleotide kinase. Adaptor oligonucleotides were
ligated to the blunt ends in high molar excess. The
adaptored DNA was purified and size-selected for a 9.5 to
10.5 kb range using preparative agarose gel
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/clone="UUGC1M0033P01"
                                                                                                                                                                                                                                                                     /sex="Male"
                                                                                                                                                                                                                                                                                 /clone_lib="Mouse 10kb plasmid UUGC1M library"
                                                                                                                                                                                                                                                                                                                                               /organism="Mus musculus"
/strain="C57BL/6J"
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Best Local Similarity:
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KEYWORDS SOURCE ORGANISM

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Query Match:

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REFERENCE AUTHORS

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US-09-698-781-3 (1-258) x AZ316082
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D., Weiss, R.
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                                                                                                                                                                                                                                                                                                                                                                                                                             Email: ddunn@genetlcs.utah.edu
Insert Length: 10000 Std Error: (
Plate: 0029 row: E column: 08
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unpublished (2000)
Contact: Robert B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          University of Utah
University of Utah
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                                                                                                                                                                                                                                                                                                                                                                                                         quality sequence stop: 60.
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/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/note="Yector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
Laboratory Mouse DNA Resource
/http://www.jax.org/resources/documents/dnares/). The DNA
was hydrodynamically sheared by repeated passage through a
0.005 inch orifice at constant velocity. The sheared DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC,
                                                                                                                                                                                                                                            /organism="Mus musculus"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UUGC1M0029E08"
                                                                                                                                                                                                                 /clone_lib="Mouse 10kb plasmid UUGCIM library"
                                                                                                                                                                                                                                                                                                                                                                                 ocation/Qualifiers
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BG099525 62 bp mrNA linear EST 29-JAN-2001 nag53c09.xl NCI_CGAP_Co27 Homo sapiens cDNA clone IMAGE:4205200 3', mRNA sequence.
BG099525
                                                                                                                                                                                                                                                                                                                                                           Contact: Robert Strausberg, Ph.D.

Email: cgapbs remail.nih.gov

cDNA Library Preparation: David B. Krizman, Ph.D.

cDNA Library Preparation: David B. Krizman, Ph.D.

cDNA Sequencing by: Washington University Genome Sequencing Center

Clone distribution: NCI-GGAP clone distribution information can be

found through the I.M.A.G.E. Consortium/LLNL, send email to:

info@image.llnl.gov

Seq primer: -40Up from Gibco.

Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Bumanalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 62)
NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pwD42 (g114732114/gblAF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene).cells and selected for amplcillin resistance.*
               /organism="Homo sapiens"
//db_xref="taxon:9666"
//clone="IMAGE:42052000"
//clone_lib="NCI_CGAP_Co27"
//tissue_type="adenocarcinoma (mucinous component)"
//lab_host="DH10B"
//note="Organ: colon; Vector: pAMP1; mRNA made from colonic adenocarcinoma, cDNA made by oligo-dT priming.
Directionally cloned into UDG sites. Size-selected on agarose gel, average insert size 300 bp. Primary library.
CDNA Library Preparation: David B. Krizman, Ph.D.
Reference: Krizman et al. (1996) Cancer Research
56:5380-5383."
17 a 16 c 12 g 17 t
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                                                                                                                                     US-09-698-781-3 (1-258) x BF037661 (1-62)
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RESULT 27
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                                                                     19 ValLeuLeuPheLeuVal 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Email: capabs remail.nih.gov
Tissue Procurement: DCTD/DTP
CONA Library Preparation: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
plate: LLAM9608 row: d column: 01
High quality sequence start: 15
High quality sequence start: 15
High quality sequence stop: 59.
Location/Qualifiers
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Eukaryota; Metazoa: Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 62)
1 (bases 1 to 62)
1 (Name of Strain of Health, Mammalian Gene Collection (MGC)
1 (MGC)
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                                                                                                                                                                                                                                                                                                                                                                                                                   /organism="Homo sapiens"
/db_xref="taxon:9606"
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/clone=lib="NIH_MGC_66"
/tissue_type="adenocarcinoma"
/tissue_type="adenocarcinoma"
/lab_host="DH10B (phage-resistant)"
/lab_host="DH10B (phage-resistant)"
/note="Organ: ovary: Vector: pCMV-SPORT6; Si
Site_2: Sall; Cloned unidirectionally. Prim
Average insert size 1.8 kb. Library constr
Technologies.
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tionally. Primer: Oligo dT.
Library constructed by Life
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REFERENCE AUTHORS TITLE

COMMENT

source

JOURNAL

Unpublished (1997)

BASE COUNT ORIGIN

ACCESSION VERSION

BG099525.1 GI:12594842

KEYWORDS

SOURCE ORGANISM

RESULT 25 BG099525

55

LOCUS DEFINITION

US-09-698-781-3 (1-258) x AZ313488

(1-60)

27 LeuLeuProSerPhePro 32 CTCCTTCCCTCCTTCCCT 38

Percent Similarity: Best Local Similarity:

8.3e+03 6.00 100.00% 100.00% 2.33%

Pred. No.: Alignment Scores:

Query Match:

BASE COUNT ORIGIN

23

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bp mRNA linear EST 07-FEB-1998 sapiens cDNA clone IMAGE:1288577 3',

Ph.D.,

3

David Allman,

information can b

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CDNA

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US-09-698-781-3 (1-258) x AZ500262 (1-62)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
Plate: 038 row: H column: 04
Seq primer: CACACAGGAAACAGCTATGACC
Class: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 62)

Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,

Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A.

and Wright,D.,Weiss,R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            62 bp DNA linear GSS 05-OCT-2000 1M0338H04R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0338H04 R, DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tel: 801 585 5606
Fax: 801 585 7177
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Rese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Unpublished (2000)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AZ500262.1 GI:10679897
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                                                                                                                                                                                                                                                                                                             (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pHD42 (gi14732114/gblAF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed adaptored vector DNA, and transformed into chemically-competent E. coli x110-Gold (Stratagene) cells and selected for ampicillin resistance.
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Location/Qualifiers
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note="Vector: PWD42nv; Purified genomic DNA from M.
musculus C57BL/6J (male) was obtained from the Jackson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /db_xref="taxon:10090"
/clone="UUGC1M00338H04"
/clone_lib="Mouse 10kb plasmid UUGC1M library"
/sex="Male"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Biomedical Polymers Research Bldg., 20 S. 2030 E.,
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/strain="C57BL/6J"
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27 TTATTACCCTCCTTCCCA 44
                                                         27 LeuLeuProSerPhePro 32
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     www-bio.lln1.gov/bbrp/image/image.html
Insert Length: 892 Std Error: 0.00
Seq primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 61
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unpublished (1997)
Contact: Robert Strausberg, i
Email: cgapbs-r@mail.nih.gov
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AA761487
nz22h09.sl NCI_CGAP_GCB1
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AA761487
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DNA Sequencing by: Washington University Genome
Clone distribution: NCI-CGAP clone distribution
found through the I.M.A.G.E. Consortium/Linu at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bonaldo, Ph.D.
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota; Metazoa; Mammalia; Eutheria; 1 (bases 1 to 63)
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                                                                                                                                                                                                                                                                                                                                                                                                                                17
                                                                                                                                                                                                                                                                                                                                                                                                                   /note="Vector: pT7T3D-Pac (Pharmacia) with a modified polylinker; Site_1: Not I; Site_2: Eco RI; lst strand cl was prepared from human tonsillar cells enriched for germinal center B cells by flow sorting (CD20+, IgD-), provided by Dr. Louis M. Staudt (NCI), Dr. David Allman NOTY and By County Noty
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /tissue_type="germinal center B cell"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /clone="IMAGE:1288577"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /organism="Homo sapiens"
/db_xref="taxon:9606"
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 63)
1 (bases 1 to 63)
1 (cross, S., Daniels, M., Lennon, G. and Brook, J.D.
Hamshere, M., Cross, S., Daniels, M., Lennon, G. and Brook, J.D.
A transcript map of a 10-Mb region of chromosome 19: A source of genes for human disorders, including candidates for genes involved in asthma, heart defects, and eye disorders
Genomics 63 (3), 425-429 (2000)
                                                                                                                                                                                                                                                                                                                                                                                    64 bp mRNA linear EST 14-DEC-2001
EST-CD34NN-038 cDNA Library from human CD34+ stem/progenitor cells
Homo sapiens cDNA 3', mRNA sequence.
B1388670
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AF219092 Human Homo sapiens genomic clone V(UC9), DNA sequence.
AF219092
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University of Nottingham
Queen's Medical Center, Nottingham,
Class: exon-trapped.
Location/Qualifiers
                                                                                                                                                                      Zhou,G., Chen,J., Lee,S., Terry,C., Rowley,J.D. and Wang,S.M. The pattern of gene expression in human hematopoietic CD34+ stem/progenitor cells Unpublished (2001)
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo.

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                                                           University of Chicago Medical Center 5841 S. Maryland Ave., MC2115, Chicago, Tel: 773-702-6788
Fax: 773-702-3002
Email: swangl@midway.uchicago.edu
This EST fragment was amplified from cDNA Library of human CD34+
stem/progenitor cells with GLGI technique (Generation of Longer
                                                                                                                                                 Contact: Wang SM
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                                                               26 GGCCTTCTCCCCAGCTTT 43
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cells"
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/note="3'ESTs converted from the SAGE tag sequences using
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